MAJOR MODIFICATION
Fact Sheet

as required by LAC 33:IX.3105.B.1, for draft **Louisiana Pollutant Discharge Elimination System Permit No. LA0122017; AI 128670; PER20080001** to discharge to waters of the **State of Louisiana** as per LAC 33:IX.2311.

The **permitting authority** for the Louisiana Pollutant Discharge Elimination System (LPDES) is:

Louisiana Department of Environmental Quality
Office of Environmental Services
P. O. Box 4313
Baton Rouge, Louisiana 70821-4313

I. **THE APPLICANT IS:** Total Environmental Solutions, Inc
Del Mar Estates
P.O. Box 14056
Baton Rouge, LA 70898

II. **PREPARED BY:** Rachel Davis

DATE PREPARED: January 28, 2009

III. **PERMIT ACTION:** Modification of LPDES permit LA0122017; AI 128670; PER20080001

LPDES Permit Effective: June 1, 2006

LPDES application received: July 25, 2008

IV. **NATURE OF PERMIT MODIFICATION:**

On July 25, 2008, the permittee requested that the permit be modified to reflect the addition of the sewage treatment plant from Del Mar Estates-West. **The current permit for Del Mar Estates –West (LA0122254) will be cancelled upon issuance of this modification.** In addition to the increased flow from the facility, two internal outfalls (101 serving the Delmar Estates- West and 201 serving the Delmar Estates-South) will be added to the permit for monitoring.

V. **FACILITY INFORMATION:**

E. Outfall 001

Discharge Location: Latitude 30° 8' 34" North
Longitude 92° 5' 46" West

Description: treated sanitary wastewater

Expected Flow: 150 homes x 400 gallons/day/home = 0.06 MGD

Calculations for gallons per day were based upon figures obtained from Chapter 15 of the State of Louisiana Sanitary Code; Department of Health and Hospitals, Office of Public Health.

Type of Flow Measurement which the facility is currently using:
V-Notch Weir or Stopwatch and Bucket

VI. PUBLIC NOTICE:

Upon publication of the public notice, a public comment period shall begin on the date of publication and last for at least 30 days thereafter. During this period, any interested persons may submit written comments on the draft permit modification and may request a public hearing to clarify issues involved in the permit decision at this Office's address on the first page of the statement of basis. A request for a public hearing shall be in writing and shall state the nature of the issues proposed to be raised in the hearing.

Public notice published in:

Local newspaper of general circulation

Office of Environmental Services Public Notice Mailing List

For additional information, contact:

Ms. Rachel Davis
Permits Division
Department of Environmental Quality
Office of Environmental Services
P. O. Box 4313
Baton Rouge, Louisiana 70821-4313

INTERNAL OUTFALL 101

Final limits shall become effective on the effective date of the modification and expire on the expiration date of the permit.

Effluent Characteristic	Monthly Avg (lbs./day)	Monthly Avg	Weekly Avg	Basis
$CBOD_5$ May-December January-April		10 mg/l 20 mg/l	15 mg/l 30 mg/l	Based on the *1999 Review and Assessment of the 1987 Vermilion River Watershed TMDL for Dissolved Oxygen*
TSS May-December January-April		15 mg/l 20 mg/l	23 mg/l 30 mg/l	Since there is no numeric water quality criterion for TSS, and in accordance with the current Water Quality Management Plan, the TSS effluent limitations shall be based on a case-by-case evaluation of the treatment technology being utilized at a facility. Therefore, a Technology Based Limit has been established through Best Professional Judgement for the type of treatment technology utilized at this facility.

Effluent Characteristic	Monthly Avg. (lbs./day)	Monthly Avg.	Weekly Avg.	Basis
Ammonia-Nitrogen May-December January-April		5 mg/l 10 mg/l	10 mg/l 20 mg/l	Based on the *1999 Review and Assessment of the 1987 Vermilion River Watershed TMDL for Dissolved Oxygen*

INTERNAL OUTFALL 201

Final limits shall become effective on the effective date of the modification and expire on the expiration date of the permit.

Effluent Characteristic	Monthly Avg. (lbs./day)	Monthly Avg.	Weekly Avg.	Basis
$CBOD_5$ May-December January-April		10 mg/l 20 mg/l	15 mg/l 30 mg/l	Based on the *1999 Review and Assessment of the 1987 Vermilion River Watershed TMDL for Dissolved Oxygen*
TSS May-December January-April		15 mg/l 20 mg/l	23 mg/l 30 mg/l	Since there is no numeric water quality criterion for TSS, and in accordance with the current Water Quality Management Plan, the TSS effluent limitations shall be based on a case-by-case evaluation of the treatment technology being utilized at a facility. Therefore, a Technology Based Limit has been established through Best Professional Judgement for the type of treatment technology utilized at this facility.
Ammonia-Nitrogen May-December January-April		5 mg/l 10 mg/l	10 mg/l 20 mg/l	Based on the *1999 Review and Assessment of the 1987 Vermilion River Watershed TMDL for Dissolved Oxygen*

Effluent Characteristic	Monthly Avg (lbs./day)	Monthly Avg	Weekly Avg	Basis
Dissolved Oxygen*		5.0 mg/l	N/A	Based on the *1999 Review and Assessment of the 1987 Vermilion River Watershed TMDL for Dissolved Oxygen*

Other Effluent Limitations:

1) **Fecal Coliform**

The discharge from this facility is into a water body which has a designated use of Primary Contact Recreation. According to LAC 33:IX.1113.C.5, the fecal coliform standards for this water body are 200/100 ml and 400/100 ml. Therefore, the limits of 200/100 ml (Monthly Average) and 400/100 ml (Daily Maximum) are proposed as Fecal Coliform limits in the permit. These limits are being proposed through Best Professional Judgement in order to ensure that the water body standards are not exceeded, and due to the fact that existing facilities have demonstrated an ability to comply with these limitations using present available technology.

2) **pH**

According to LAC 33:IX.3705.A.1., Sanitary dischargers must treat to at least secondary levels. Therefore, in accordance with LAC 33:IX.5905.C., the pH shall not be less than 6.0 standard units nor greater than 9.0 standard units at any time.

3) **Solids and Foam**

There shall be no discharge of floating solids or visible foam in other than trace amounts in accordance with LAC 33:IX.1113.B.7.